

CCD-18Lu | 305248

General information

Description	CCD-18Lu is a human cell line derived from a patient with a malignant melanoma. It is a highly tumorigenic cell line that grows as a monolayer in the presence of 10% fetal bovine serum (FBS). CCD-18Lu cells are characterized by their high growth rate and their ability to form colonies in soft agar. They are also capable of forming xenografts in immunodeficient mice. CCD-18Lu cells are a valuable tool for studying the biology of melanoma and for testing new therapies.
Organism	Human
Tissue	Melanoma
Synonyms	CCD 18Lu, CCD-18 Lu

Characteristics

Age	2 months - 17 years
Gender	Male
Ethnicity	White - Caucasian
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Adherent

Documentation

Citation	CCD-18Lu (Cytion 305248)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2380

Additional information

Product sheet

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Overview

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (Cytion 820100a)
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Supplements	10% FBS 1% NEAA
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Dissociation Reagent	
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Subculturing	Cells are grown in 25 cm ² flasks in EMEM supplemented with 10% FBS and 1% NEAA. Cells are passaged when they reach 80-90% confluency. Cells are detached using trypsin-EDTA and resuspended in fresh medium.
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Freeze medium	Cells are grown in 25 cm ² flasks in EMEM supplemented with 10% FBS and 1% NEAA. Cells are passaged when they reach 80-90% confluency. Cells are detached using trypsin-EDTA and resuspended in fresh medium.
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Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer cells to a sterile tube and centrifuge at 300 x g for 5 minutes. Remove supernatant and resuspend cells in 1 mL of EMEM supplemented with 10% FBS and 1% NEAA.
2. Seed cells into a 24-well plate (50,000 cells/well) or a 96-well plate (10,000 cells/well). Incubate at 37°C in 5% CO₂.
3. After 24 hours, replace the medium with fresh EMEM supplemented with 10% FBS and 1% NEAA.
4. After 48 hours, replace the medium with fresh EMEM supplemented with 10% FBS and 1% NEAA.
5. After 72 hours, replace the medium with fresh EMEM supplemented with 10% FBS and 1% NEAA.
6. After 96 hours, replace the medium with fresh EMEM supplemented with 10% FBS and 1% NEAA.
7. After 120 hours, replace the medium with fresh EMEM supplemented with 10% FBS and 1% NEAA.
8. After 144 hours, replace the medium with fresh EMEM supplemented with 10% FBS and 1% NEAA.

Incubation Atmosphere	37°C, 5% CO ₂ , humidified
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Flask Coating	
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Freezing Procedure	Cells are grown in 25 cm ² flasks in EMEM supplemented with 10% FBS and 1% NEAA. Cells are passaged when they reach 80-90% confluency. Cells are detached using trypsin-EDTA and resuspended in fresh medium.
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Shipping
Conditions

Shipped at room temperature. Store at -78°C.

Storage
Conditions

Store at -150 to -196 °C. Do not freeze.

Handling

Sterility

PCR grade. Sterile. No endotoxins. No mycoplasmas. No viruses. No fungi. No bacteria. No parasites. No cells. No debris. No DNA. No RNA. No proteins. No lipids. No carbohydrates. No inorganic ions. No organic molecules. No other contaminants.